

Docket No.: 1614.1362

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Serial No. 10/664,024

IN THE CLAIMS:

SEP 06 2006

The text of all pending claims, (including withdrawn claims) is set forth below. Cancelled and not entered claims are indicated with claim number and status only. The claims as listed below show added text with underlining and deleted text with ~~striketrough~~. The status of each claim is indicated with one of (original), (currently amended), (cancelled), (withdrawn), (new), (previously presented), or (not entered).

Please AMEND claims 1, 13, 14, 16-18 and ADD new claims 19-24 in accordance with the following:

1. (CURRENTLY AMENDED) A folding type portable radio machine, comprising:
a chassis part formed by a first chassis and a second chassis, the second chassis being foldably connected to the first chassis,
wherein the chassis part includes:
a conductive part having conductivity whose full length is ~~an~~ approximately a half wave length ($\lambda/2$) of a using frequency of the radio machine, and
an electric notch provided at a connection part, the connection part foldably connecting the second chassis to the first chassis.
2. (ORIGINAL) The folding type portable radio machine as claimed in claim 1,
wherein an antenna is provided at a side of the electric notch.
3. (ORIGINAL) The folding type portable radio machine as claimed in claim 1,
wherein the conductive part has a width of an approximately one fourth wave length ($\lambda/4$) of the using frequency of the radio machine or shorter, and
the electric notch has a full length from an approximately one tenth wave length ($\lambda/10$) to an approximately one fourth wave length ($\lambda/4$) of the using frequency of the radio machine.
4. (ORIGINAL) The folding type portable radio machine as claimed in claim 1,
wherein the conductive part is a printed board module that is provided inside of the first chassis and the second chassis.
5. (ORIGINAL) The folding type portable radio machine as claimed in claim 1,
wherein the electric notch has a width of an approximately one fourth wave length ($\lambda/4$) of the using frequency of the radio machine.

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6. (ORIGINAL) A folding type portable radio machine, comprising:
a first chassis having conductivity; and
a second chassis having conductivity and being foldably connected to the first chassis by a hinge mechanism part,

wherein the hinge mechanism part has a part making the first chassis and the second chassis have an electric continuity state, and a part not making the first chassis and the second chassis have the electric continuity state, and

a full length of the first chassis and the second chassis is an approximately half wave length ($\lambda/2$) of a using frequency of the radio machine.

7. (ORIGINAL) The folding type portable radio machine as claimed in claim 6,
wherein the part making the first chassis and the second chassis have the electric continuity state, of the hinge mechanism part, includes a first connection part provided at a lower part of the first chassis and a second connection part provided at an upper part of the second chassis, and

a conductor is put between the first connection part and the second connection part.

8. (ORIGINAL) The folding type portable radio machine as claimed in claim 6,
wherein a length between the part making the first chassis and the second chassis electric have the continuity state and the part not making the first chassis and the second chassis have the electric continuity state is an approximately one fourth wave length ($\lambda/4$) of the using frequency of the radio machine.

9. (ORIGINAL) The folding type portable radio machine as claimed in claim 6,
wherein a conductive member extends from the part making the first chassis and the second chassis have the electric continuity state to the part not making the first chassis and the second chassis electric have the continuity state, and forms a designated intervals with the second chassis.

10. (ORIGINAL) The folding type portable radio machine as claimed in claim 6,
further comprising a coaxial line connecting the first chassis and the second chassis, the coaxial line having a length of the approximately half wave length ($\lambda/2$) of the using frequency of the radio machine.

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11. (ORIGINAL) The folding type portable radio machine as claimed in claim 10, further comprising a bendable printed board electrically connecting a printed board module provided inside of the first chassis and a printed board module provided inside of the second chassis,

wherein the coaxial line winds around the bendable printed board.

12. (ORIGINAL) The folding type portable radio machine as claimed in claim 6, further comprising an antenna being capable of extending against the second chassis, the antenna being provided at a side of the part not making the first chassis and the second chassis have the electric continuity state, of the hinge mechanism part.

13. (CURRENTLY AMENDED) A folding type portable radio machine, comprising:
a first housing having a first chassis having conductivity where a printed board is provided inside thereof;

a second housing having a second chassis having conductivity where another printed board is provided inside thereof;

an antenna being extendable to a back surface of the first housing, the antenna being provided at one of left and right sides of the second housing;

wherein the antenna is fed an electric power supply by a feeder circuit of the other printed board provided at inside of the second chassis,

the first chassis and the second chassis are being foldably connected by connection parts provided left and right on each of the first chassis and the second chassis,

the connection part at the side where the antenna is positioned non-electrically connects the first chassis and the second chassis,

the connection part at the other side electrically connects the first chassis and the second chassis, and

a full length of the radio machine is an approximately half wave length ($\lambda/2$) of a using frequency of the radio machine.

14. (CURRENTLY AMENDED) The folding type portable radio machine as claimed in claim 13,

wherein the first chassis is electrically connected to an earth conductor pattern of the printed board provided at inside the first chassis, and

the second chassis is electrically connected to an earth conductor pattern of the printed board provided at inside the second chassis.

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15. (ORIGINAL) A folding type portable radio machine, comprising:

a first housing that has a first chassis having conductivity, the first housing having a printed board provided inside thereof; and

a second housing that has a second chassis having conductivity, the second housing having another printed board provided inside thereof;

wherein the first chassis and the second chassis are physically connected by a first connection part and a second connection part provided left and right,

the first connection part electrically connects the first chassis and the second chassis,

the second connection part does not electrically connect the first chassis and the second chassis,

a full length of the radio machine in a case where the first housing is opened from the second housing is an approximately half wave length ($\lambda_0/2$) of a first using frequency of the radio machine;

an interval between the first connection part and the second connection part is an approximately one fourth wave length ($\lambda_1/4$) of a second using frequency of the radio machine; and

the first chassis, the second chassis, the first connection part, and the second connection part, as an installed antenna of the radio machine, send and receive radio waves having the first and second using frequencies.

16. (CURRENTLY AMENDED) A chassis provided inside of a folding type portable radio machine, comprising:

a first chassis part;

a second chassis part; and

a plurality of first and second pluralities of connection parts provided at the first chassis part and a plurality of second connection parts corresponding to the first connection parts and provided at the second chassis part, the connection parts respectively connecting the first chassis part and the second chassis part;

wherein ~~only~~ a surface of one of the connection parts at the second chassis part connecting to the one of the connection parts at the first chassis part is made of non-conductive material.

17. (CURRENTLY AMENDED) The chassis provided inside of the folding type portable radio machine as claimed in claim 16, wherein ~~only~~ the one of the connection parts at the second chassis part is made of non-conductive material.

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18. (CURRENTLY AMENDED) The chassis provided inside of the folding type portable radio machine as claimed in claim 16, further comprising a conductive member forming a designated interval with the second chassis and extending from the vicinity of the one connection part of the second chassis part to another connection part of the second chassis.

19. (NEW) The folding type portable radio machine as claimed in claim 16, wherein the first and second pluralities of connection parts are formed of a rigid material and are fixedly connected to the first and second chassis parts, respectively, and are rotatably connected to each other.

20. (NEW) The folding type portable radio machine as claimed in claim 16, wherein the first and second pluralities of connection parts define an axis of rotation between the first and second chassis parts, about which the first and second chassis parts are rotatably connected to each other.

21. (NEW) The folding type portable radio machine as claimed in claim 1, further comprising a pair of spaced mechanical hinges interconnecting the first and second chassis, one completing, and the other not completing, an electric circuit therebetween.

22. (NEW) The folding type portable radio machine as claimed in claim 6, wherein each hinged mechanism part mechanically interconnect the first and second chassis.

23. (NEW) The folding type portable radio machine as claimed in claim 13, wherein the hinged mechanism part mechanically interconnects the first and second chassis.

24. (NEW) The folding type portable radio machine as recited in claim 15, wherein the first and second connection parts mechanically interconnect the first and second chassis and define an axis of rotation therebetween.